

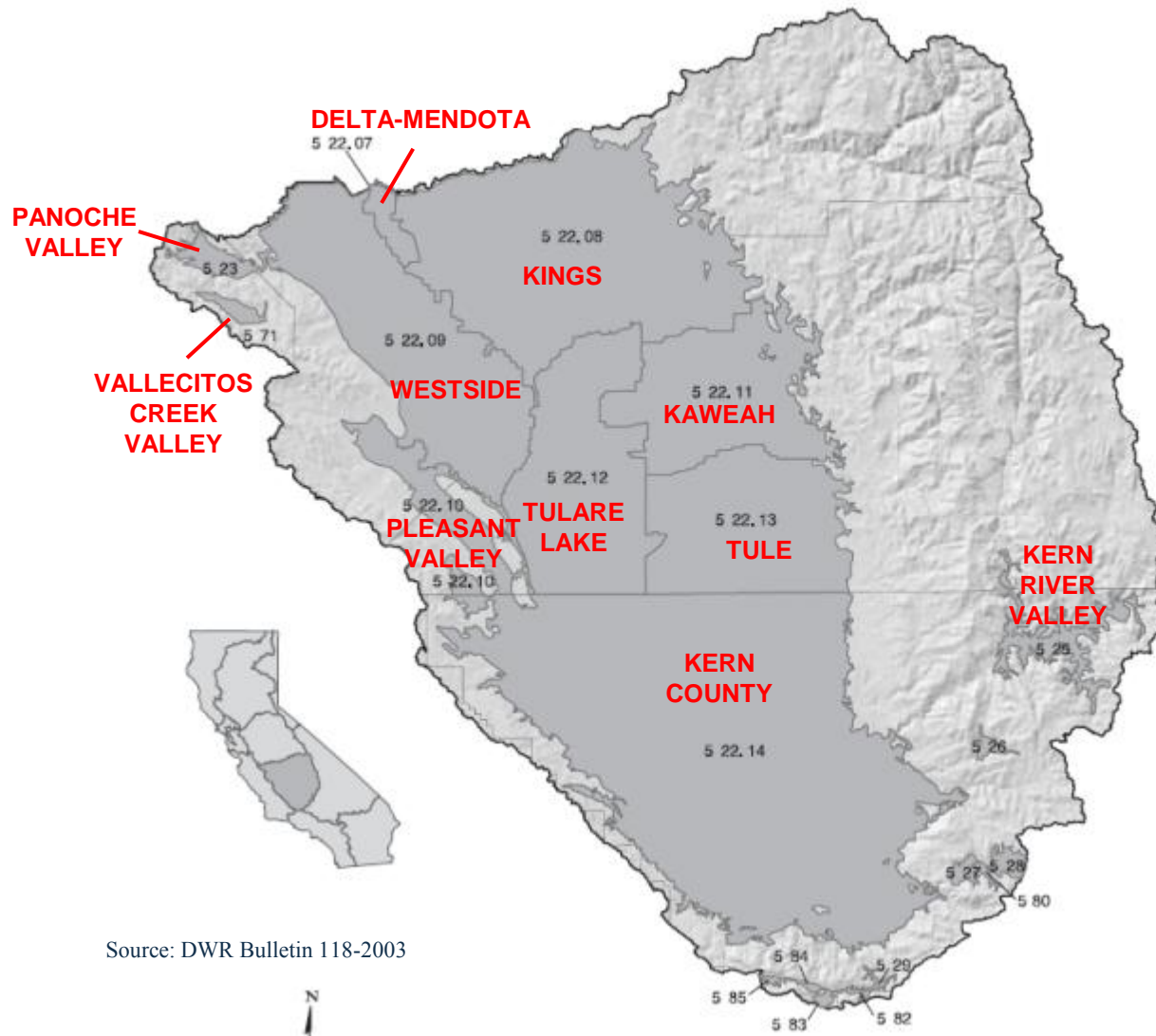
SGMA Implementation in the Tulare Lake Hydrologic Region

Eric Osterling, Manager of Water Resources
Kings River Conservation District

Meeting of the
California State Board of Food and Agriculture
July 7, 2015

Tulare Lake Hydro Region

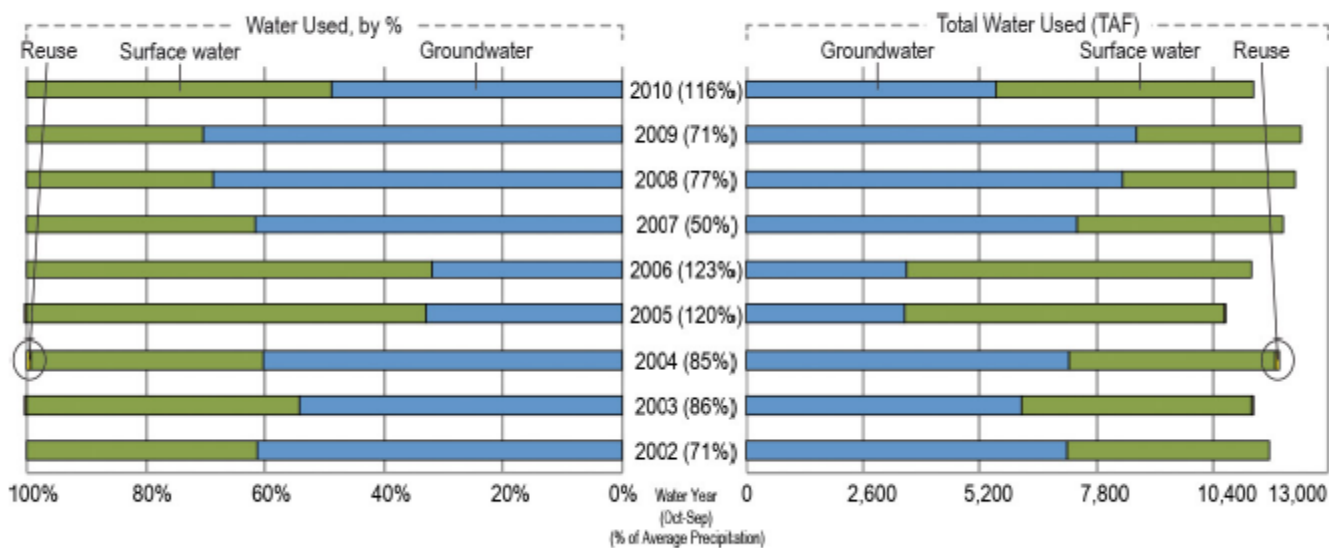
Groundwater Basins/Subbasins



Existing Conditions

Water Supply

Annual Surface Water and Groundwater Supply Trend for the Tulare Lake Hydrologic Region (2002-2010)

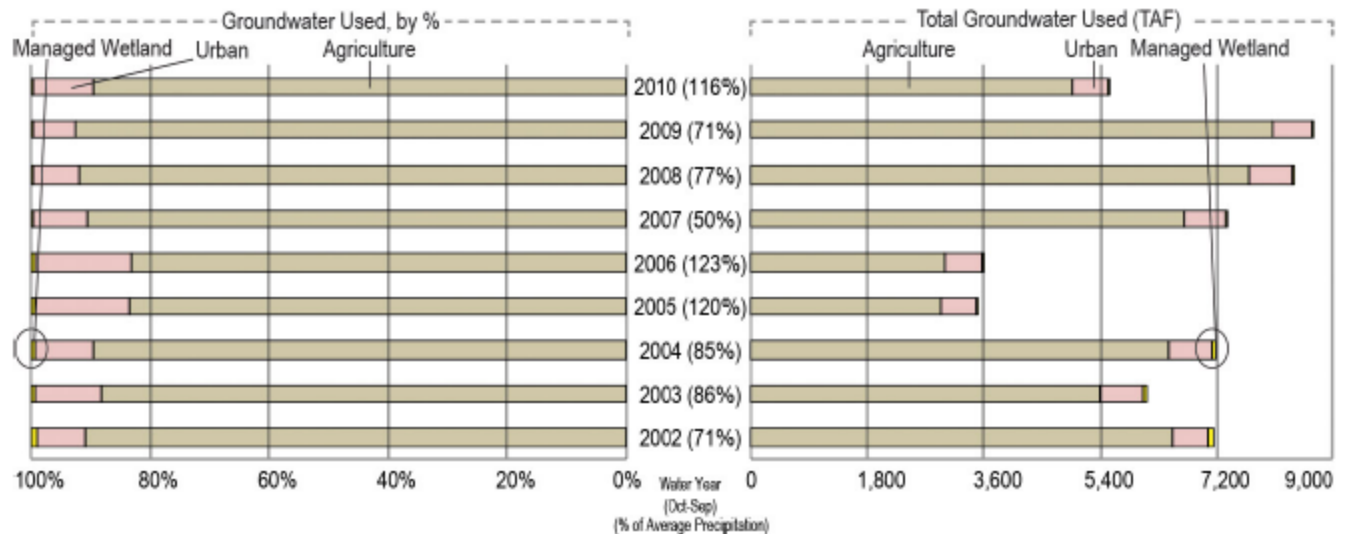


Prepared by California Department of Water Resources for California's Groundwater Update 2013

Existing Conditions

Water Supply

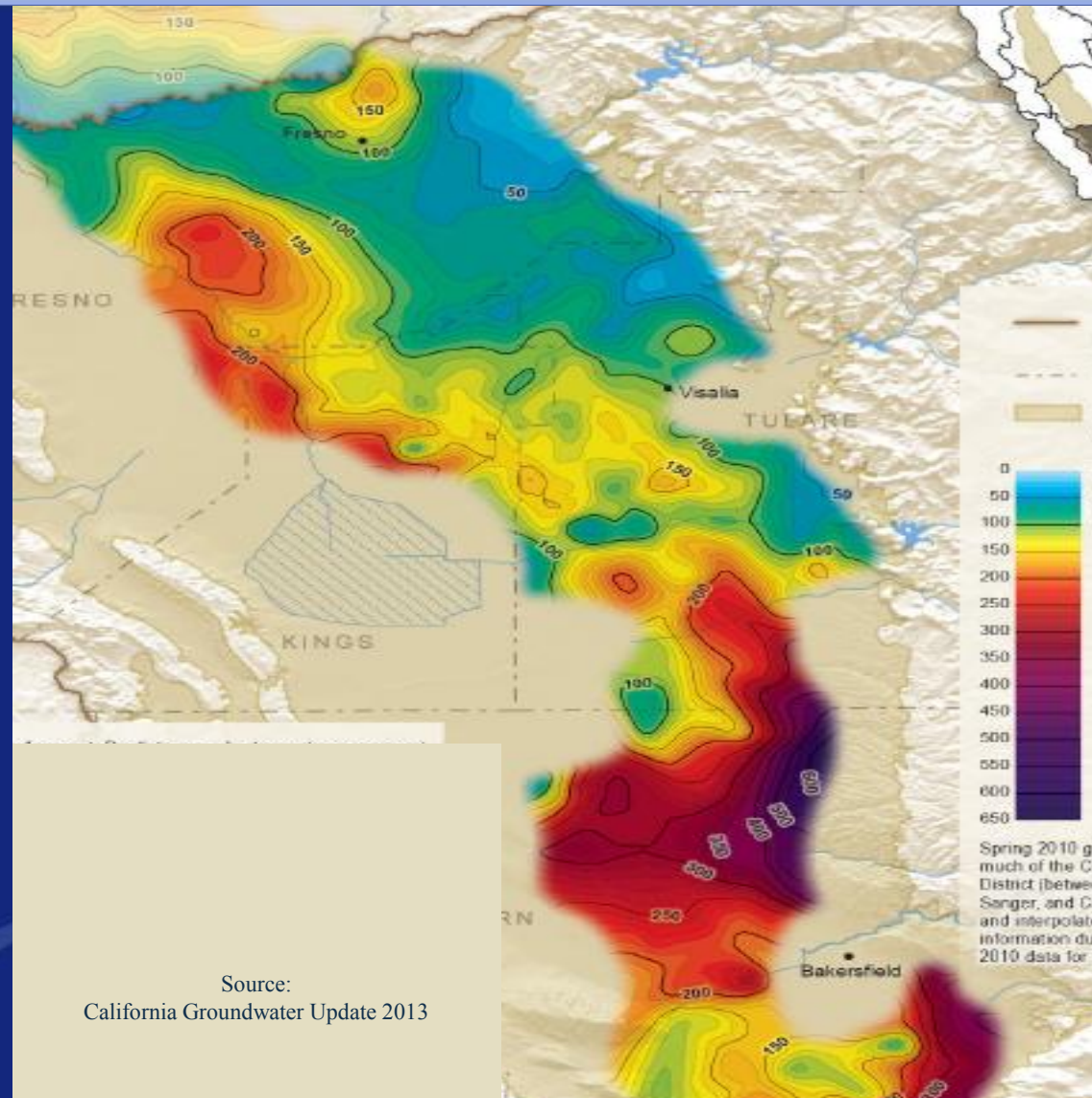
Annual Groundwater Supply Trend by Type of Use for the Tulare Lake Hydrologic Region (2002-2010)



Prepared by California Department of Water Resources for California's Groundwater Update 2013

Existing Conditions

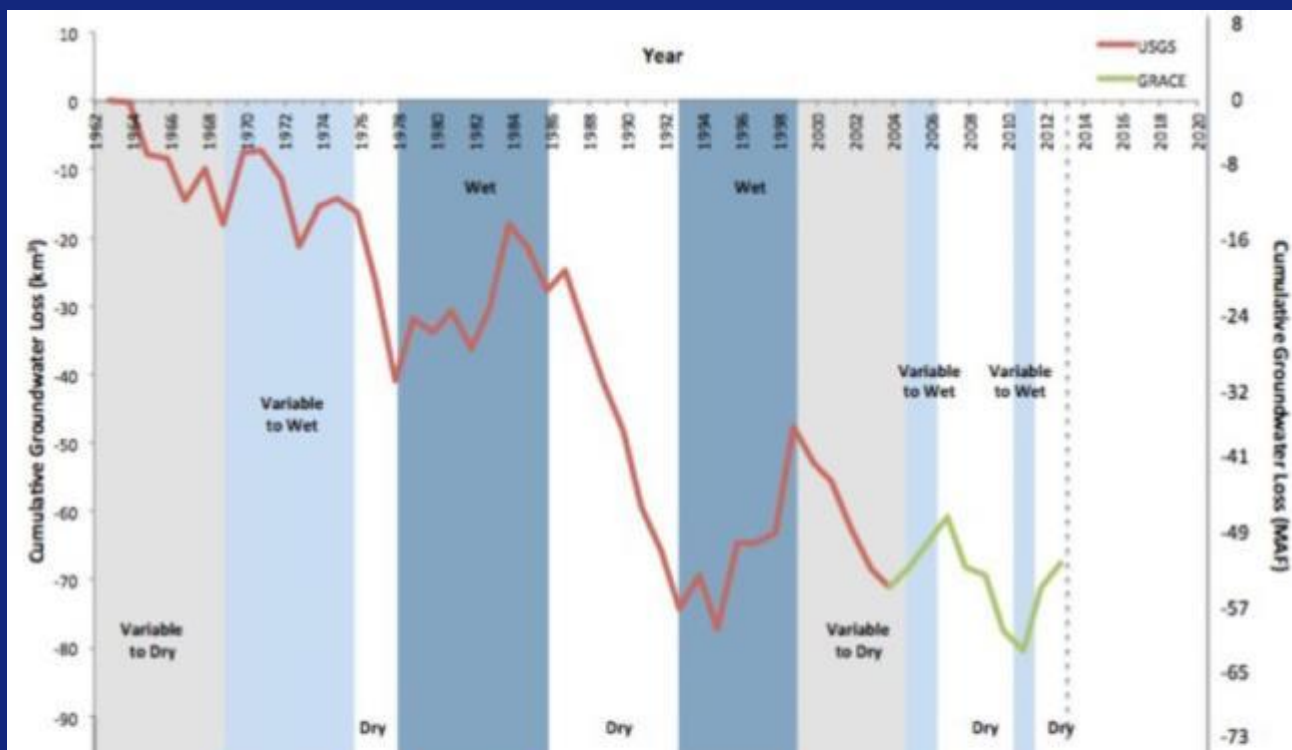
Depth to Groundwater



Existing Conditions

Groundwater Overdraft

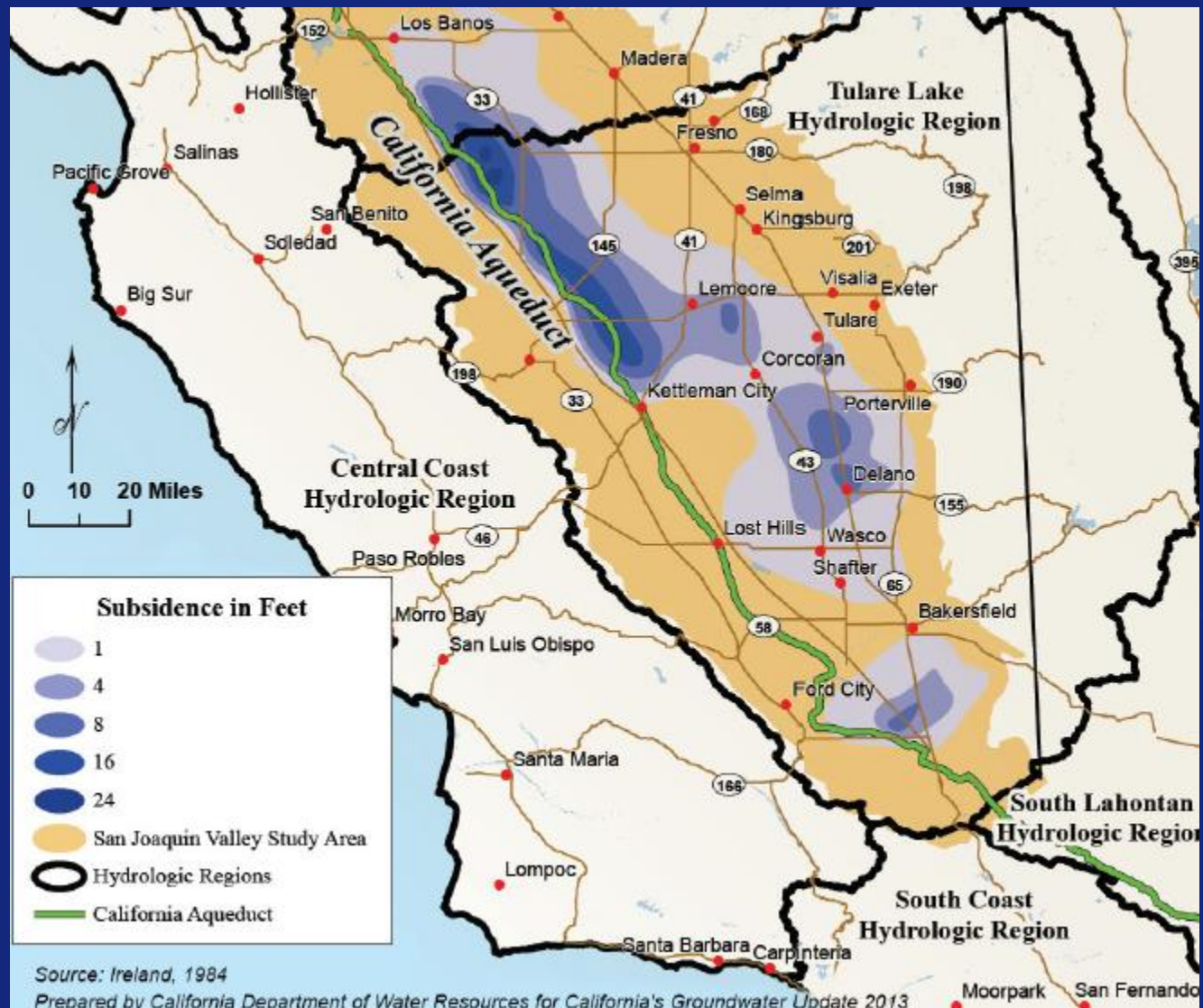
Shifts in land use, reduced surface water imports and droughts have all contributed to a growing regional groundwater crisis



Cumulative groundwater losses in Central Valley 1962-2013
> 50 MAF

Existing Conditions

Land Subsidence (1926-1970)

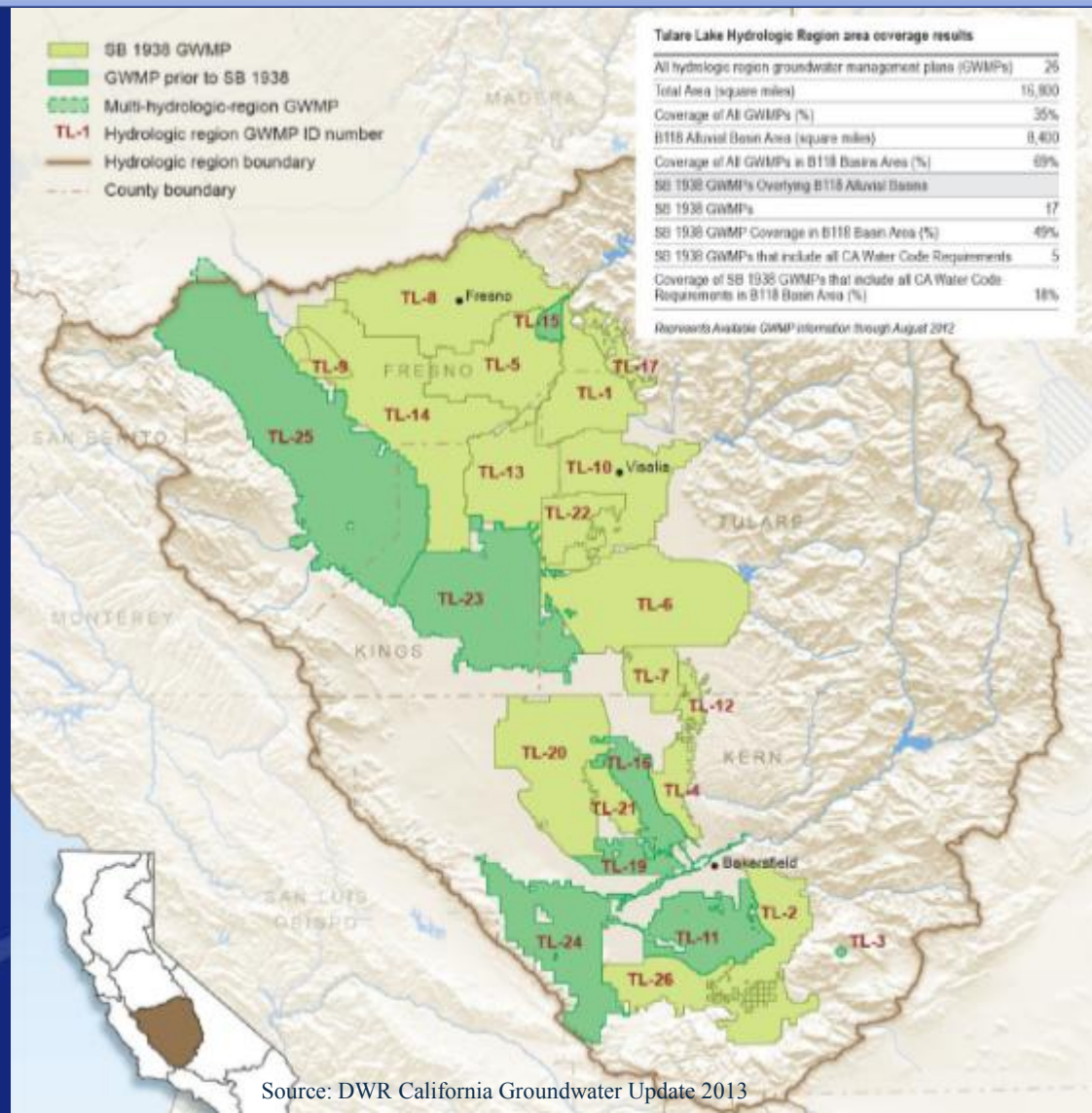




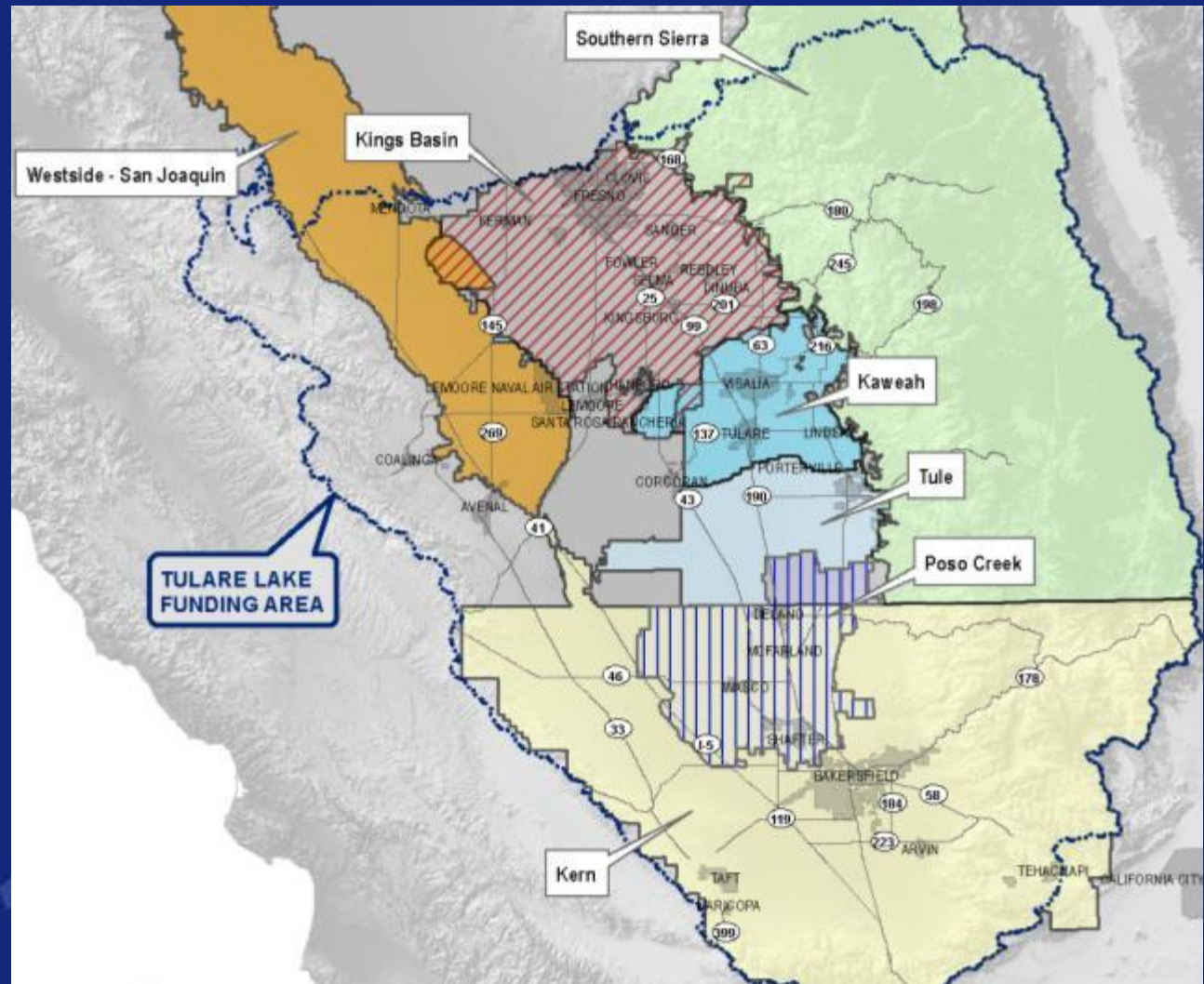
Regional Considerations for Subbasin GSA/GSP Development

- Current local authorities and jurisdictional boundaries (counties, cities, water districts, etc.)
- Surface and groundwater water supplies
- General plans / groundwater management plans / special study areas
- Integrated Regional Water Management Plans (IRWMPs)
- Scale and agency capacity to successfully implement
- Political fortitude of declaring to be a local GSA

Groundwater Management Plans

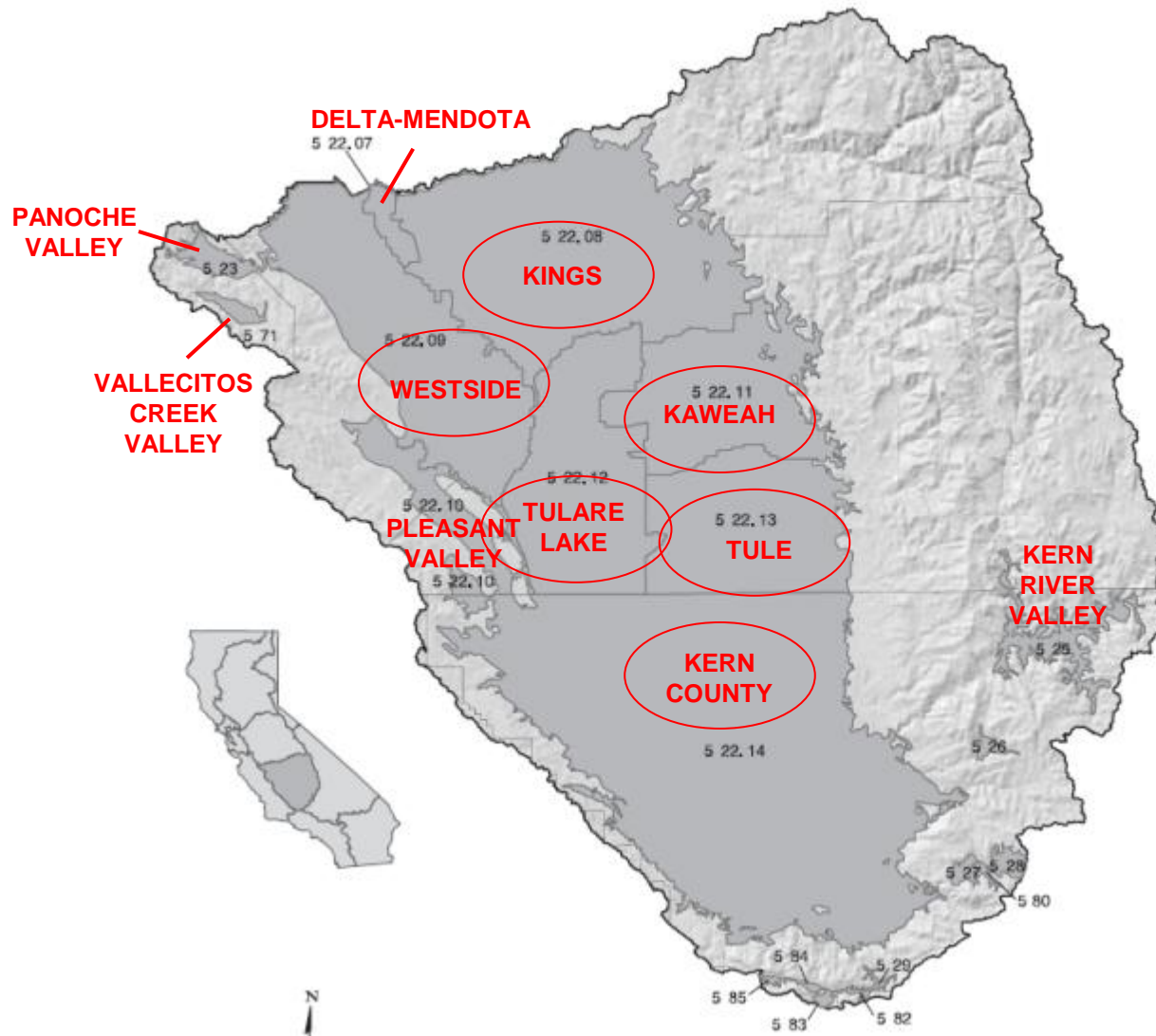


Integrated Regional Water Management Plans (IRWMPs)



Tulare Lake Hydro Region

GSA Formation Efforts





Tulare Lake Hydro Region

GSA Formation Efforts

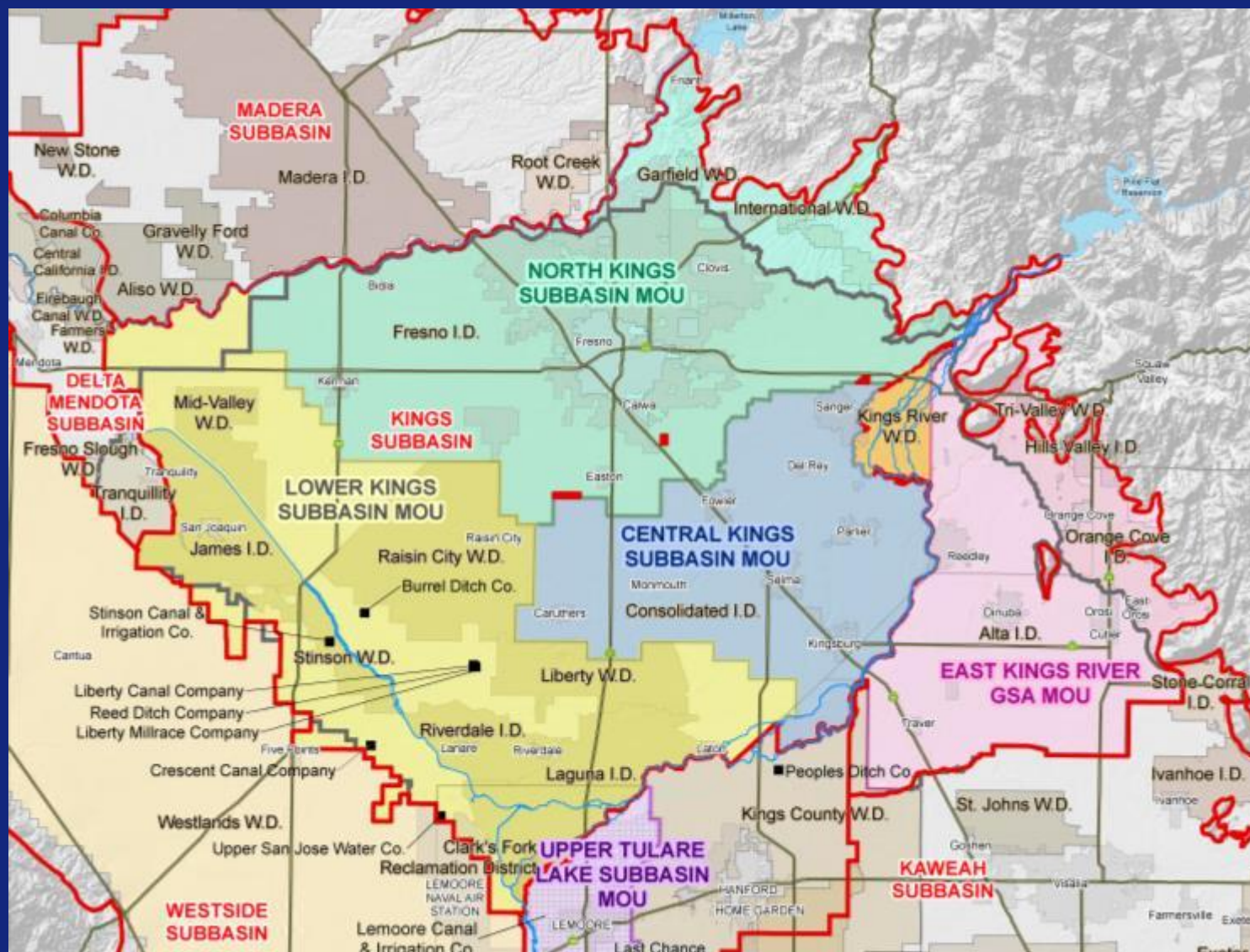
- Early focus is primarily on boundary adjustments and options for GSA/GSP coverage of subbasins
- **Developing outreach strategies and communication tools**
- Water managers engaging DWR individually and through coordinated inter-regional meetings
- Status of coordination/planning efforts
 - **Kern County Subbasin** – Kern Groundwater Authority (~20 member JPA) formed to implement SGMA
 - **Tule Subbasin** – Several local agencies applied for and secured facilitation services
 - **Kaweah Subbasin** – Cities and water districts meeting regularly to work out preferred GSA/GSP framework
 - **Westside Basin** – Westlands WD working with County of Fresno and DWR to adjust boundaries / discuss jurisdictional coverage



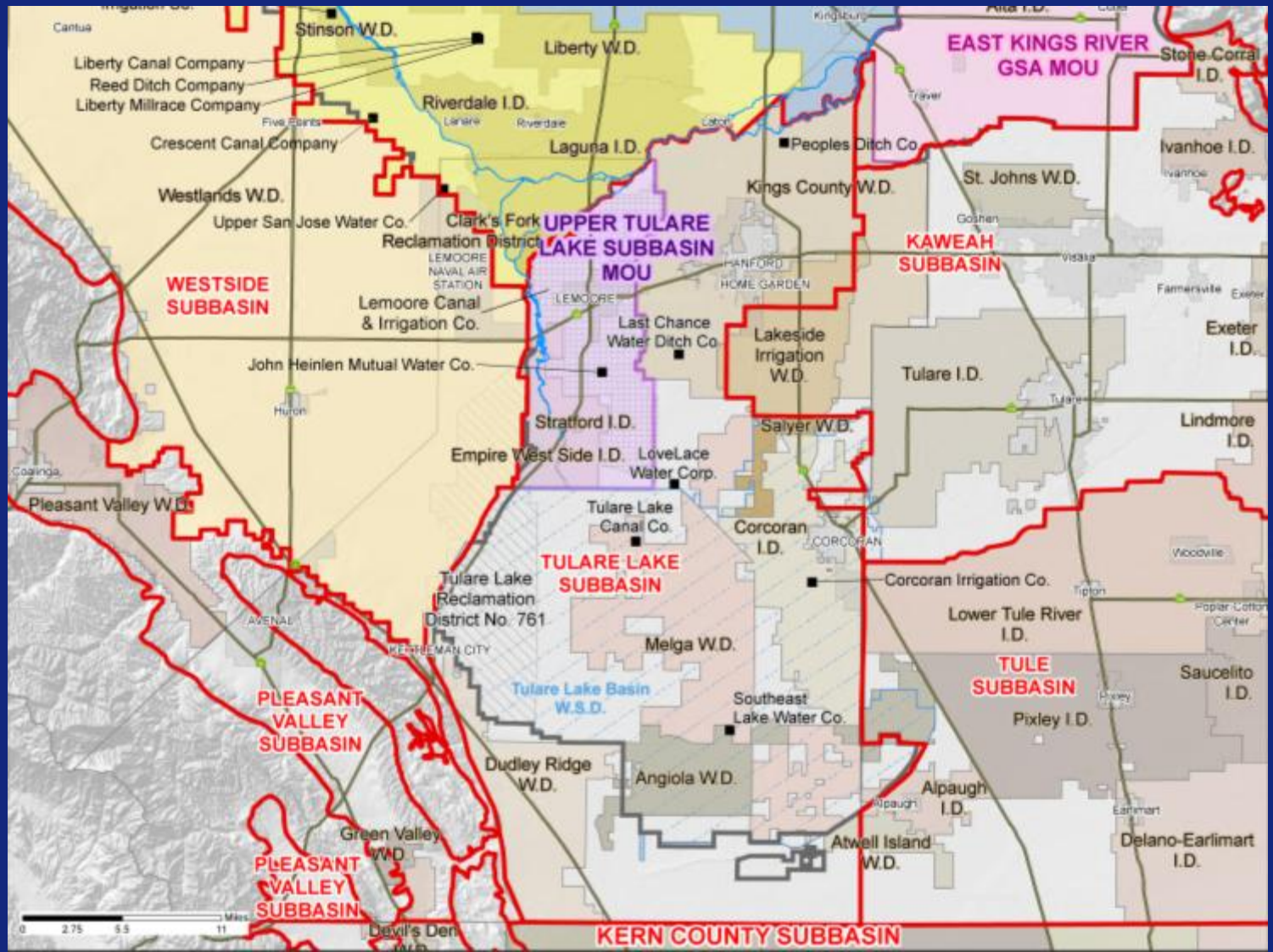
Kings and Tulare Lake Subbasin GSA Formation Efforts

- **Kings Subbasin** – four (4) primary sub-regional GSA formation efforts (MOUs, special act legislation; subbasin coordination group; County of Fresno coordination committee)
- **Tulare Lake Subbasin** – one (1) sub-regional MOU; likely three (3) or more GSA's to cover the subbasin
- Again, out of necessity early focus is primarily on boundary adjustments and options for GSA/GSP coverage
- Data and literature reviews
- **Developing outreach strategies and communication tools**
 - New websites, brochures and FAQ sheets
 - Recent presentations by request to several city councils, CSD/PUD boards and water district grower meetings. Many more being planned.

Kings Subbasin GSA Formation Efforts



Tulare Lake Subbasin GSA Formation Efforts





Reliable resources for the Valley

Questions?